

**AMENDMENTS TO THE SPECIFICATION:**

Page 1, after the title, please replace the heading "Purpose of invention" with the heading "Field of the invention", as follows:

~~Purpose of the invention~~ Field of the invention

Page 1, line 16, please replace the heading "Basis of the invention" with the heading "Background of the invention", as follows:

~~Basis of the invention~~ Background of the invention

Page 4, after line 1, please insert the heading "BRIEF SUMMARY OF THE INVENTION".

Please amend the paragraph beginning at page 5, line 19, as follows:

The invention also provides a method of the treatment of vascular and/or muscle and/or tendon disorders, comprising:

- a) applying to a patient in need thereof, a ~~shies~~ series of electrical pulses having a width from 10 to 40  $\mu$ sec and intensity from 100 to 170  $\mu$ Amp, wherein each pulse has a peak that has a width from 7 to 12 nanosec. and a voltage up to 220 Volts ~~trough~~ through electrodes located on the epidermis of the area to be treated;
- b) detecting the tissue reaction after the application of the pulses;
- c) modifying the width and intensity of the pulses in relation to the tissue reaction detected in point b).

Please amend the paragraph beginning at page 6, line 1, as follows:

The invention also provides a method for increasing the VEGF in a patient in need

thereof, comprising:

- a) applying to a patient in need thereof, a ~~shies~~ series of electrical pulses having a width from 10 to 40  $\mu$ sec and intensity from 100 to 170  $\mu$ Amp, wherein each pulse has a peak that has a width from 7 to 12 nanosec. and a voltage up to 220 Volts ~~trough~~ through electrodes located on the epidermis of the area to be treated;
- b) detecting the tissue reaction after the application of the pulses;
- c) modifying the width and intensity of the pulses in relation to the tissue reaction detected in point b).

Page 6, after line 12, please insert the heading "BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS".

Page 7, after line 8, please insert the heading "DETAILED DESCRIPTION OF THE INVENTION".